

## CLAIMS

1. A method of managing a suspend state of a packet-switched service in a system which comprises a terminal and another peer, there being a packet-switched connection between the terminal and the other peer over which the terminal and the other peer transmit packets to each other, the terminal being able to use only either a circuit-switched service or a packet-switched service at the same time, wherein when the terminal switches to the suspend state in the packet-switched service to use a circuit-switched service:  
a predetermined first packet is transmitted from the terminal to the other peer to prevent transmission of packets from the other peer to said terminal during the suspend state.
2. A method according to claim 1, whereby transmitting said first packet before switching to the suspend state.
3. A method according to claim 1, wherein the switching to the suspend state by the terminal is a multi-stage process, and said first packet is transmitted during said process.
4. A method according to claim 1, wherein the method comprises delaying the switching to the suspend state by the terminal to transmit said first packet.
5. A method according to claim 1, wherein said packet-switched connection is a TCP/IP connection (Transmission Control Protocol/Internet Protocol) and said packets are TCP/IP packets.
6. A method according to claim 1, whereby transmitting more than one of said first packets to prevent transmission of the packets from the other peer.
7. A method according to claim 1, wherein the first value of a predetermined parameter is indicated to the other peer in said first packet to prevent transmission of packets from the other peer to said terminal during the suspend state.
8. A method according to claim 7, wherein said first value of the predetermined parameter is value zero of an advertised window parameter.
9. A method according to claim 1, wherein the method also comprises aborting transmission of packets by the terminal in a controlled manner as the terminal switches to the suspend state.

10. A method according to claim 9, wherein the terminal comprises a retransmission timer and that retransmission of the packets by the terminal is aborted by switching said retransmission timer off.

5 11. A method according to claim 9, wherein the terminal comprises a retransmission timer and that retransmission of the packets by the terminal is aborted by allowing the retransmission timer to expire and by delaying reacting to the expiry of the retransmission timer.

10 12. A method according to claim 1, wherein said delaying of the reacting to the expiry of the retransmission timer means that retransmission of the packets is delayed.

13. A method according to claim 1, wherein when the terminal switches from said suspend state back to the packet-switched service:

15 a predetermined second packet is transmitted from the terminal to said other peer to continue transmission of packets from the other peer to the terminal.

14. A method according to claim 13, wherein said second packet indicates the second value of said predetermined parameter to the second peer to continue transmission of packets from the other peer to the terminal.

20 15. A method according to claim 14, wherein said second value of the predetermined parameter differs from said first value of the predetermined parameter.

16. A method according to claim 1, wherein said second packet is a TCP/IP packet.

25 17. A method according to claim 13, wherein the terminal, on switching from the suspend state back to the packet-switched service, returns to the normal transmission mode of packets.

18. A method according to claims 10 and 17, wherein on returning to the normal transmission mode of packets the terminal switches its retransmission timer on.

30 19. A method according to claims 11 and 17, wherein on returning to the normal transmission mode of packets the terminal reacts to the expiry of said retransmission timer by performing retransmission.

20. A method according to claim 13, whereby transmitting more than one of said second packets.

35 21. A terminal for managing a suspend state of a packet-switched service in a system which comprises a terminal and another peer, the terminal

being arranged to communicate with said other peer on a packet-switched connection over which the terminal is arranged to transmit and receive packets, the terminal being able to use only either a packet-switched service or a circuit-switched service at the same time, wherein the terminal comprises:

5           means for transmitting a predetermined first packet to the other peer when the terminal switches to the suspend state in a packet-switched service to use a circuit-switched service, said first packet including information for preventing transmission of packets from the other peer to said terminal during the suspend state.

10           22. Software for a terminal for managing a suspend state of a packet-switched service in a system which comprises said terminal and another peer, the terminal being arranged to communicate with said other peer on a packet-switched connection over which the terminal is arranged to transmit and receive packets, the terminal being arranged to be able to use only  
15 either a packet-switched or a circuit-switched service at the same time, wherein the software comprises a program code:

          for transmitting a predetermined first packet from the terminal to the other peer when the terminal switches to the suspend state in the packet-switched service to use a circuit-switched service, said first packet comprising  
20 information for preventing transmission of packets from the other peer to said terminal during the suspend state.